

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	((("6736797") or ("4755173") or ("6719721")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/30 18:06
L2	0	L1 and spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/30 18:07
L10	1	("shinzato" with "toru").inv. and ("pin" with "indwelling").clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/30 18:51
L11	3	("toma" with "shigeki").inv. and ("pin" with "indwelling").clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/30 18:51
L12	3	("sano" with "yoshihiko").inv. and ("pin" with "indwelling").clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/30 18:52
L13	3	("masuda" with "toshiaki").inv. and ("pin" with "indwelling").clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/30 18:53
L14	1	("yamaguchi" with "futoshi").inv. and ("pin" with "indwelling").clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/30 18:53
L15	3	("harada" with "kazuyoshi").inv. and ("pin" with "indwelling").clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/30 18:53
L16	1	("takagi" with "nobuo").inv. and ("pin" with "indwelling").clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/30 18:54
L17	1	("tanimoto" with "masahisa").inv. and ("pin" with "indwelling").clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/30 18:54
L18	2	((("6500155") or ("5779679")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/30 18:54
S1	1	("6254577").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/22 14:27
S2	1964	(606/108).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/22 16:28

S3	469	S2 and (wing or flap or plate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/22 16:28
S4	164	S3 and needle	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/22 16:29
S5	712	S2 and hole	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/22 16:29
S6	219	S5 and pin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/22 16:29
S7	71	S6 and skin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/22 16:29
S8	0	"2000176009"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/22 16:51
S9	1	"2000176009"	US-PGPUB; USPAT; USOCR; JPO	ADJ	ON	2009/09/22 16:51
S10	12	indwelling needle same hole same pin	US-PGPUB; USPAT; USOCR; JPO	ADJ	ON	2009/09/22 16:52
S11	8	indwelling needle same hole same pin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/22 16:52
S12	9144	needle same hole same pin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/22 16:53
S13	76	needle same hole same pin same jig	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/22 16:53
S14	27430	needle same hole same form\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 07:43
S15	21379	needle same port same form\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 07:43
S16	3397	(pin or tube) same hole same form\$3 same insert\$3 same needle	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 07:44
S17	114	(pin or tube) same hole same form\$3 same insert\$3 same needle same wings	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 07:44
S18	6	(pin or tube) same hole same form\$3 same insert\$3 same needle same wings same skin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 07:44

S19	9	("20040249346"   "4170993"   "4425120"   "4846805"   "5437648"   "5562636"   "5779679"   "5928199"   "6641555").PN. OR ("7306576").UPRN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 07:47
S20	15519	pin with wing	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:17
S21	1760	pin with wing with hole	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:18
S22	62	pin with wing with (hole or puncture or bore or cut or open or pierce or cut or prick or penetrate) same skin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:20
S23	1	"12388589"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:28
S24	0	dialysis same port same plug same wing	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:32
S25	78	dialysis same port same plug	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:32
S26	0	dialysis same needle sameport same plug	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:33
S27	6	dialysis same needle same port same plug	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:33
S28	7650	needle with access with port	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:34
S29	49	needle with access with port with plug	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:35
S30	907	\$4dialysis same subcutaneous	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 08:39
S31	3599	(604/263-264).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/23 09:00
S32	3433	S31 and (insert\$3 or hole or hold or plug or stopper or close or occlude secure or seal or cover or block)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 09:22
S33	3131	S31 and (hold or plug or stopper or close or occlude or secure or seal or cover or block)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 09:23

S34	504	S31 and (hold or plug or stopper or close or occlude or secure or seal or cover or block) same (wing or tab)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 09:23
S35	71	S31 and ((hold or plug or stopper or close or occlude or secure or seal or cover or block) same (wing or tab) same skin)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 09:24
S36	14	("4627843"   "5584813"   "6261259"   "6264259"   "6500155"   "6537255").PN. OR ("6676633").URIPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 09:26
S37	21	"4813939"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 09:52
S38	1	("4813939").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/23 09:53
S39	33	("20020095138"   "20020123740"   "20030069546"   "20040049159"   "20050049553"   "20060200073"   "20060253076"   "20060264898"   "20070149920"   "4813939"   "5135502"   "5242415"   "5403283"   "5562617"   "5569217"   "5607407"   "5738660"   "5743891"   "5853394"   "5858001"   "5989239"   "5997524"   "6039712"   "6053901"   "6120492"   "6186982"   "6500150"   "6607511"   "6613015"   "6676633"   "6719721"   "6736797"   "6926693").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 10:00

S40	33	("20020095138"   "20020123740"   "20030069546"   "20040049159"   "20050049553"   "20060200073"   "20060253076"   "20060264898"   "20070149920"   "4813939"   "5135502" "5242415"   "5403283"   "5562617" "5569217"   "5607407"   "5738660" "5743891"   "5853394"   "5858001" "5989239"   "5997524"   "6039712" "6053901"   "6120492"   "6186982" "6500150"   "6607511"   "6613015" "6676633"   "6719721"   "6736797" "6926693").PN. OR ("7510543").URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 10:27
S41	3	"9957683"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/23 10:27
S42	3	"9857683"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/23 10:27
S43	3	"9962576"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/23 10:29
S44	1	("6613015").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/23 10:31

S45	33	("20020095138"   "20020123740"   "20030069546"   "20040049159"   "20050049553"   "20060200073"   "20060253076"   "20060264898"   "20070149920"   "4183939"   "5135502" "5242415"   "5403283"   "5562617" "5569217"   "5607407"   "5738660" "5743891"   "5853394"   "5858001" "5989239"   "5997524"   "6039712" "6053901"   "6120492"   "6186982" "6500150"   "6607511"   "6613015" "6676633"   "6719721"   "6736797" "6926693").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 10:32
S46	16	("4002174"   "5021057"   "5135509" "5156426"   "5342311"   "5486163" "5496346"   "5620419"   "5669889" "5693022"   "5797954"   "5858001" "6120482"   "6280401").PN. OR ("6719721").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 10:36
S47	2	((("4755173") or ("5135502")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/23 10:36
S48	1	"20020173769"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 10:59
S49	15	("2748769"   "4627843"   "5505711" "5879330"   "5921969"   "5951522").PN. OR ("6500155").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/23 11:08
S50	3	((("6736797") or ("4755173") or ("6719721")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/30 18:05

9/ 30/ 2009 6:55:21 PM

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**forming pin for inserting needle.wsp**